

**AMENDMENTS TO THE CLAIMS**  
**(including complete listing of the claims)**

1. (Currently Amended) The method of claim 28, wherein for the Mixtures of Experts algorithm the individual experts have a linear form

### **Introductory Comments**

#### **Overview of the Amendments to the Claims.**

Claims 1, 5, 15, and 25-41 are pending in the application. Claims 1, 15, 25, 35, and 40 are amended without prejudice or disclaimer. Applicants expressly reserve the right to bring the subject matter of the original claims again in a subsequent, related application. New claims 42-49 are added by this amendment. After entry of this amendment claims 1, 5, 15, 25-49 are pending.

The amendments to the claims are presented herein below (after the signature page) in the section titled "Amendments to the Claims."

Support for the amendments to claims 1, 35, and 40 can be found throughout the specification as originally filed, for example, at the following locations: original claim 1, page 25, lines 15-19; and page 67, lines 1-5.

Claim 15 is amended to correctly strike-out the equations in the claim that were inadvertently not struck-out in applicants' previous amendment dated 6 November 2003.

Support for the amendments to claim 25 can be found throughout the specification as originally filed, for example, at the following location: page 72, line 22, to page 73, line 19.

Support for newly presented claim 42 can be found throughout the specification as originally filed, for example, at the following location: page 28, line 29, to page 31, line 14.

Support for newly presented claims 43-44 can be found throughout the specification as originally filed, for example, at the following location: page 62, line 12, to page 65, line 16.

Support for newly presented claims 45-46 can be found throughout the specification as originally filed, for example, at the following locations: page 20, line 12, to page 22, line 29; page 78, line 23, to page 83, line 1; and page 85, lines 10-19.

Support for newly presented claim 47 can be found throughout the specification as originally filed, for example, at the following locations: page 1, lines 14-16; page 20, line 12, to page 22, line 29; page 62, line 13, to page 65, line 16; page 70, line 21, to page 71, line 5; and page 72, line 21, to page 75, line 10; and page 88, line 20, to page 89, line 29.

Support for newly presented claim 48 can be found throughout the specification as originally filed, for example, at the following location: page 1, lines 14-16; page 20, line 12, to page 22, line 29; page 40, lines 11-28; page 62, line 13, to page 65, line 16; page 70, line

21, to page 71, line 5; page 72, line 21, to page 75, line 10; and page 88, line 20, to page 89, line 29.

Support for newly presented claim 49 can be found throughout the specification as originally filed, for example, at the following locations: page 1, lines 14-16; page 11, lines 20-24; page 17, lines 22-28; page 20, line 12, to page 22, line 29; page 40, lines 11-28; page 62, line 13, to page 65, line 16; page 70, line 21, to page 71, line 5; page 72, line 21, to page 75, line 10; and page 88, line 20, to page 89, line 29.

Accordingly, no new matter has been added by way of this amendment and the entry thereof is respectfully requested.